

1. Entity Information

Applicant Entity Name	Project Name	County	Municipal Area benefited	Planning Region	Project Location - Latitude of Project (Decimal Degrees)	Project Location - Longitude of Project (Decimal Degrees)
The Wonderful SoFla Village	Irrigation System Retrofit	Lemon	Wonderful SoFla HOA	Lower East Coast	26.493675	-80.329744

Authorized Representative FIRST Name	Authorized Representative LAST Name	Authorized Representative Email Address	Street Address	City	Zip Code	Phone Number
Jane	Richards	jrichards@buwww.org	14 Nowhere Ave	Lemonville	55555	555-555-5555

If the Authorized Representative is different from the [Project Manager](#) (Primary Contact), please provide the following information for the Project Manager.

Project Manager FIRST Name	Project Manager LAST Name	Project Manager Email Address	Street Address	City	Zip Code	Phone Number
Sam	Gamgee	sgamgee@buwww.org	28 Somewhere Ave	Lemonville	55555	999-999-9999

Federal ID Number	Type of Organization/Entity	If applicable, provide the Consumptive Use Permit, etc.
2842145	HOA/POA	28-45456

Will this project be completed on state-owned land?	No
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If the applicant is a local government (city/county etc.), please answer the following questions:

Does the applicant have an adopted irrigation ordinance that comports with the District's Year-Round Irrigation Rule?	Not Applicable
If applicable, provide the Irrigation Ordinance number	
Do you understand if the irrigation ordinance above does not comport with the District's Year-Round Irrigation Rule, the application will be deemed ineligible for funding?	Not Applicable

Does the applicant have an approved Water Supply Facilities Work Plan pursuant to Chapter 163.3177(6)(c), F.S.?	Not Applicable
Does the applicant have a proposed Water Supply Facilities Work Plan that will be approved before March 2, 2023?	Not Applicable

If you answered yes to either of the two previous questions, please provide the following information:

Amendment Number	
Amendment Date (approved or pending approval)	

You have reached the end of this tab. Proceed to the next.

2. Project Description

Anticipated Start Date	Anticipated End Date	Is this a multiyear project?	Project Type	Estimated Water Savings (mg)	\$/kgal	Total Project Cost	Requested Funding
10/1/2023	9/30/2024	No	Urban Irrigation	5.1	\$1.02	\$ 23,915.10	\$ 11,958.00

The gray cells above will auto-populate as you provide inputs elsewhere within this application.

Excel Tip: You can begin a new paragraph within a cell by holding down the **Alt key and hitting Enter** (return).

Project Description Short Form (Limit to THREE sentences or less)	The Village currently irrigates 8 acres of landscape with an inefficient irrigation system using mechanical timer-based controllers. This project will include the following: the replacement of approximately 268 spray heads with pressure regulation and SAM check valves and include approximately 268 U series water nozzles and 85 pressure regulation rotors; the deployment of 9 EPA WaterSense labeled SMART weather-based irrigation controllers with 21 expansion modules; 32 soil moisture sensors and 9 index to solenoid valve conversions.
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Project Objective (Limit to ONE sentence)	The objective is to improve irrigation water use efficiency on 8 acres of irrigation landscaping using the latest irrigation water conservation technology.
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Long-Form Project Description (Scope of the Project)	<p>The Wonderful SoFla Village (Village) currently irrigates 8 acres of landscape with an inefficient irrigation system using mechanical timer-based controllers. The Village contracted with a licensed and Irrigation Association Certified irrigation system auditor to identify areas of water loss and to provide recommendations for system efficiency improvements. The auditor identified 26 leaks which have since been repaired. In addition to the leaks, the system currently irrigates many areas with mixed vegetation types (lawn areas and shrubs or annuals). Many zones have a mixture of spray heads and rotors. The Village wishes to rectify the mixed zones and upgrade its current irrigation equipment with the latest water conservation technology.</p> <p>Include: Item(s) to be purchased/installed/distributed and quantities of each</p> <p>This project will cover all 8 irrigated acres and include the following actions: the replacement of approximately 268 spray heads with pressure regulation and SAM check valves and include approximately 268 U series water nozzles and 85 pressure regulation rotors (which will eliminate misting and overspray); the deployment of 9 EPA WaterSense labeled SMART weather-based irrigation controllers; and 9 index to solenoid valve conversions (necessary for the SMART controller operations). Thirty-two (32) soil moisture sensors will support these controllers. The addition of 21 expansion modules will allow us to split zones efficiently to minimize the water times for specific zones.</p> <p>The Village will contract with a licensed and Irrigation Association Certified contractor who will conduct the system upgrades and educate the Village's maintenance staff members on maintenance of the new equipment to assure a high functional irrigation system for all common area lawns.</p>
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Location	Wonderful SoFla Village
Target Group(s) and Size	8 acres of irrigated landscape
Acres Affected (if this is an irrigation project)	8

Is this a rebate or voucher program?	Not Applicable
If yes, complete the following:	
a. How many rebates or vouchers in total will be issued within the funding period? ¹	
b. What is the maximum number of rebates/vouchers issued to a single participant?	
c. How many dwelling units/facilities will this program attempt to reach <u>at a minimum</u> during the funding period? ^{2, 3} This should be equal to a./b. above.	
d. List any additional types of fixtures or devices, such as, but not limited to, a showerhead or faucet aerator that a participant may receive.	

Footnotes:

¹ Do not enter a range. The final reimbursement will be tied to this number.

² This question assumes all participants accept the maximum number of allowable rebates/vouchers.

³ This is the figure you must use in the calculation in your estimated water savings.

2. Project Description

Identify the water source that will be conserved.	Utility Water Provider or Water Source
Potable water from a utility at risk of saltwater intrusion based on elevated chloride levels in monitoring wells or within a Restricted Allocation Area (Section 3.2.1 of the Applicant's Handbook for Water Use Permit Applications)	
Potable water from a utility not at risk of saltwater intrusion or in a Restricted Allocation Area	
Potable water, but not sure if the area is within a Restriction Allocation Area or at risk of saltwater intrusion (Specify the provider utility)	Yes-BU-WWW
Surficial well water in the service area of a utility at risk of saltwater intrusion based on elevated chloride levels in monitoring wells	
Surficial well water in the service area of a utility not at risk of saltwater intrusion	
Surficial well water, but unsure if at risk of saltwater intrusion (Specify the water body)	
Water from a canal or stormwater catchment area (such as a man-made lake within a housing development)	
Reclaimed water	
Other (Specify)	
This section includes additional information requested by the Florida Department of Environmental Protection (FDEP)	
Is this project a continuation of an existing agreement with the FDEP?	Not Applicable
If yes, FDEP agreement number:	
What is the project delivery method?	Other
If Other, please describe.	Irrigation contractor
Is this project geographically located within an FDEP-approved Restoration Plan (i.e., Basin Management Action Plan or Reasonable Assurance Plan) area? The following link can be used as an interactive map to identify the BMAP status for the project: https://floridadep.gov/dear/water-quality-restoration/content/impaired-waters-tmdls-and-basin-management-action-plans	No
If yes, name of Restoration Plan:	
If the project is geographically located within a Restoration Plan area, will the project be identified with a project number on the Statewide Annual Report? The following link is for the Statewide Annual Report: https://floridadep.gov/dear/water-quality-restoration/content/statewide-annual-report	Not Applicable
If yes, Project Number:	
If yes, Unique ID:	

Project Background

What is the water-related issue?	Over-irrigation due to an inefficient system.
Why is the water-related issue a problem?	Over-irrigation causes our water supply source to dwindle, making it more challenging to maintain our supply during dryer periods.
How will this project provide a solution to the problem?	An efficient system will reduce our water consumption thus reducing our water bill.
What water-related benefits will result from the completion of this project?	Demand reduction of potable water for irrigation purposes.

Will this project result in a fully completed (operational) project?	Yes
Will a Florida Licensed Professional Engineer be able to certify work completed?	Not Applicable
Will a Florida Licensed Professional Geologist be able to certify work completed?	Not Applicable

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3. Project Financing

Total Project Cost (\$)	Funding Requested (\$)	Applicant Match (\$)	Third-Party Match (\$)
\$ 23,915.10	\$ 11,958.00	\$ 9,800.00	\$ 2,158.00

Has this project received previous District funding?			No
If yes, fill out the table below:			
Year Awarded	Contract Number	Amount Awarded	Amount Spent

Is the applicant receiving other funds for this project?		Yes
If yes, federal/state/private entity name(s):		If yes, amount(s):
Bozos Conservation Fund		\$ 2,158.00

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4. Project Budget

Project Hardware/Technology Items	Quantity of Items or Rebates	Cost per Item, Rebate, or Voucher	Installation Cost per Item	Total Cost for Each Line
1804 Sam PRS Spray Heads & U Series Nozzles	268	\$ 7.80	\$ 11.00	\$ 5,038.40
5004 Rotors w/Pressure Reg. & SAM check valves	85	\$ 14.00	\$ 11.00	\$ 2,125.00
100 DV Automatic Valves	30	\$ 20.94	\$ 110.00	\$ 3,928.20
ESP=SMTe Smart Modular Controller	9	\$ 280.00	\$ 75.00	\$ 3,195.00
ESPSM6 Expansion Module	21	\$ 98.50	\$ -	\$ 2,068.50
Soil Moisture Sensor	32	\$ 90.00	\$ 45.00	\$ 4,320.00
Index to solenoid valve conversion	9	\$ 240.00	\$ 120.00	\$ 3,240.00
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Hardware & Installation Total				\$ 23,915.10

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5a. Estimated Water Savings

This tab contains two sections.

The first section, "Estimated Water Savings for Common Indoor Efficiency Measures," has been created and preset for the most common indoor retrofit project types. You must use the default Current Use and Efficient Use rates for the items below unless you provide an explanation (and documentation) supporting your deviation from the defaults. Acceptance of deviated values is pending District staff review.

The second section, "Estimated Water Savings Explanation for Other Conservation Project Types," has been created for water use efficiency improvement projects using hardware in addition to, or instead of, the fixtures and appliances in Section 1.

Section 1. Estimated Water Savings for Common Indoor Efficiency Measures

Residential Project Inputs	
* Persons Per Home	2.64
Number of homes/units affected by this project	0

* If unknown for your area, visit U.S. Census Quick Facts for your county, or use Florida default of 2.64.

Commercial Project Inputs	
Number of Toilets	0
Number of Urinals	0
Number of Faucets	0
Number of Showers	0
Days of Operation/Year	0

Estimate number of days of use per year.

	Common Current Rates	Standard Efficiency Use Rates	
Residential Toilet	3.5	1.28	gal./flush
Shower	2.5	1.75	gal./min.
Lavatory Faucet	2.2	1.50	gal./min.
Kitchen Faucet	2.2	1.50	gal./min.
Dishwasher	10.5	3.50	gal./use
Clothes Washer	23.0	15.00	gal./use
Commercial Toilet	3.5	1.28	gal./flush
Commercial Urinal	1.0	0.5 or 0.25	gal./flush
Commercial Lav. Faucet	2.2	0.50	gal./min.
Commercial Shower	2.2	1.50	gal./min.

USER INPUT TABLE			
	Current Use (Before)*	Efficient Use (After)	
Residential Toilet	0.0	0.00	gal./flush
Shower	0.0	0.00	gal./min.
Lavatory Faucet	0.0	0.00	gal./min.
Kitchen Faucet	0.0	0.00	gal./min.
Dishwasher	0.0	0.00	gal./use
Clothes Washer	0.0	0.00	gal./use
Commercial Toilet	0.0	0.00	gal./flush
Commercial Urinal	0.0	0.00	gal./flush
Commercial Lav. Faucet	0.0	0.00	gal./min.
Commercial Shower	0.0	0.00	gal./min.

*Standard uses per day and service lives applied.

OUTPUT TABLE	
Annual Savings per Item (gallons)	
Residential Toilet	0
Shower	0
Lavatory Faucet	0
Kitchen Faucet	0
Dishwasher	0
Clothes Washer	0
Commercial Toilet	0
Commercial Urinal	0
Commercial Lav. Faucet	0
Commercial Shower	0
Total Annual Savings	0
Savings in million gallons per year	0.0

Section 2. Estimated Water Savings Explanation for Other Conservation Project Types

Please enter the following:

Current Water Use		mgd
Estimated Post-project Water Use		mgd
Potential Savings	0.0	mgd

Briefly provide the basis for your Current Water Use estimate (e.g., metered data, water bills, zone use calculations).

Briefly explain the basis for your Post-project Water Use estimate.

You have reached the end of this tab. Proceed to the next.

5b. Estimated Water Savings - Irrigation

For these items, you must use the savings rates provided.

Please enter the following:

Project Size	8.0	acres affected
Current Water Use	16.9	mgy
Savings %	30%	From table at right -->
Potential Savings	5.1	mgy

Enter this value in Column D on the Cost-Effectiveness sheet.

[Read the notes below the input box.](#)

If your project entails any of these items, you must use the savings % shown below.

Item	Savings %
Rain Sensor	30%
Soil Moisture Sensor	30%
Weather-based Controller	30%
Efficient Sprinkler Heads	15%
System Design Corrections	15%

Briefly provide the basis for your Current Water Use estimate (e.g., metered data, water bills, zone use calculations).

Also see the notes below this box.

Currently the water used for irrigation per week (3 X's weekly @ 1/2") would use 40,731 gallons per week, per acre, X's 52 weeks per year = 2,118,012 x 8 acres = 16,944,096 gallons per year. The project would yield approximately a 30% savings with and estimated 5.1 MGY.

Savings for projects with more than one component (from the table above) cannot double-count or compound savings percentages.

For projects with more than one component, use ONLY the savings associated with the highest savings percentage.

As an example, if the upgraded system will have new efficient sprinkler heads and a new controller, only enter percent savings for the new controller (30%).

District staff may assign a higher evaluation score for projects with more than one component.

For items not shown in the savings table above, provide an explanation and any documentation supporting the savings values and number of service years you enter.

You have reached the end of this tab. Proceed to the next.

6. Cost-Effectiveness Calculator

Please refer to the District's Cooperative Funding Program Guidelines Appendix, Cost-Effectiveness Calculator (\$/kgal)

Total Cost per item MUST match costs presented in Tab 4 (Project Budget).

Service Lives entered in this table **MUST** come from one of the **THREE** tables (below) if project items are included in one of those tables. You **MUST** use the shortest service life if your project includes more than one item on the list.

Weighted Cost Effectiveness must be lower than or equal to **\$6.00 k/gal** for eligible projects.

Conservation Items	Total Cost Per Line	Annual Estimated Savings (mgly) From Est. Wat. Save Tab	Service Life (in years, from tables below)	Total Project Gallons Saved per Day	Total Gallons Saved over Service Life (MG)	Cost Effectiveness (\$/kgal)
Spray heads, rotors, valves, smart controllers	\$ 23,915.10	5.08	5	13,918	25.40	\$1.02
				-	-	\$0.00
				-	-	\$0.00
				-	-	\$0.00
				-	-	\$0.00
				-	-	\$0.00
				-	-	\$0.00
				-	-	\$0.00
				-	-	\$0.00
				-	-	\$0.00
	\$ 23,915.10	5.08				\$1.02
(Weighted cost effectiveness for all items)						

Residential Indoor Measures	Service Life (Residential), in years
Tank-type High-efficiency Toilet	25
High-efficiency Faucet Aerators	8
High-efficiency Clothes Washer, MF	8
High-efficiency Clothes Washer, SF	11
High-efficiency Dishwasher, SF	10
High-efficiency Dishwasher, MF	10
High-efficiency Showerhead, MF	8
High-efficiency Showerhead, SF	8
Valve-type High-efficiency Toilet	25

MF = multifamily
SF = single family

Commercial and Other Measures	Service Life (Commercial), in years
Automatic Line Flushing Device	10
Commercial Washer	9
Cooling Tower	5
Dishwasher (Commercial)	20
Food Steamer (Commercial)	10
High-efficiency Urinal	25
Large Land. Irrigation Controller	10
Large Land. Turf Replacement	10
Spray Rinse Valve	10
Commercial Lav. Faucet Aerators	5
Commercial Shower	5
Tank-type High-efficiency Toilet	25
Valve-type High-efficiency Toilet	25

Outdoor Irrigation Measures	Service Life, in years
Efficient Sprinkler Heads	5
Rain Sensor	2
Soil Moisture Sensor	7
System Design Corrections	20
System Audit (schedule change only)	5
Weather-based Controller	10

You have reached the end of this tab. Proceed to the next.

7. Ancillary Information

Does any contractor or other affiliate of the applicant have a financial interest in this project, the property associated with this project, or with any party that may profit financially from this project?	No
If yes, list the parties and interests:	
Is the project part of your institution/facility's conservation plan?	No
This is a State of Florida reimbursement program. The entire project scope is expected to be completed within the funding period, regardless of amount awarded. There is no guarantee the applicant will be awarded the amount requested. Are budgeted funds available to pay for the entire scope of the project?	Yes
Does the applicant understand that if, for any reason, the project scope is not fulfilled to 100% completion as outlined in the statement of work, the funding amount will be reduced to match the original percentage of funding in the contract/purchase order based on the estimated project cost provided in the application?	Yes
Does the applicant understand funds are only for expenses incurred during the funding period?	Yes
Is the property located within the District's boundary?	Yes
Is the property in compliance with the District's regulatory requirements?	Yes
Is the applicant a REDI Community?	No
Is the applicant willing to host educational/demonstration activities highlighting the project site at reasonable times and under reasonable conditions? Your answer will not affect your project's eligibility or review.	Yes

**You have reached the end of the application.
Go back and check that all required information has been entered.
It is recommended you review all inputs on all tabs.**